Task notes. Activity next page.

The purpose of this task is to help your child learn to:

- interpret and describe a pattern, and write a rule for any number (n) of elements in a sequential pattern.

  This is an important part of algebra.
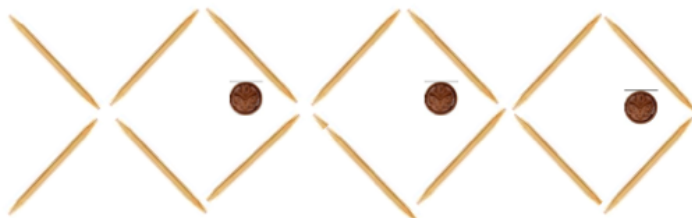
Think about this:

- Make sure that a pencil and paper are available.

- Have your child look at the fish pattern and talk about what is happening.

- As they make a table to show the relationship between the number of fish and the number of toothpicks, have them tell you what they notice.

- When your child has written the rule, it is important that they test it to see if it works for any number of fish.

- Encourage them to make another toothpick pattern of their own, and investigate their pattern by repeating the steps in this task.

He tauira kōrero Māori:

Kua hangaia tēnei tauira ki ētahi rākau iti. Whakamāramatia mai te hanga o tēnei tauira.	These patterns have been made using small sticks. Explain to me how this pattern is built.
E hia ngā rakau iti hei hanga i ia ika?	How many small sticks are needed to make each fish?
Me pēhea te whiriwhiri i te maha katoa o ngā rākau iti?	How do you work out the total number small sticks?
Mēnā e waru ngā ika, ka hia katoa ngā rākau iti?	If there were eight fish, how many small sticks would that be?
Tuhia he tūtohi hei whakaatu i te maha o ngā ika me te maha o ngā rākau iti.	Write a table to show the parts of the pattern and the number of small sticks.
Tuhia he kōrero hei whakamārama i te tauira.	Write a sentence to explain the pattern.

He tauira ika tēnei kua hangaia ki te rākau iti.

• Tuhia he tūtohi hei whakaatu i tēnei tauira. Whakaaturia te maha o ngā ika me te maha o ngā rākau iti ki te tūtohi.

• Tuhia he kōrero hei whakamārama i te tauira.

• Tuhia te ture o te tauira.

• Tuhia te maha o ngā rākau iti mēnā:

10 ngā ika

e 25 ngā ika

ko te 'n' hei tohu i te maha o ngā ika